Work Orde Monday, Februa												Page 1
Item ID: Revision ID:	D3417-3			Accept					Setup	Start		
Item Name:	Washer									Stop		
		Start Qty: 30.00			Cust Item I	D:						
Required Date: Reference:	3/4/2011 I	Req'd Qty: 30.00			Customer:							
Approvals:	Process Plan:	_//	Date://-02-7	Tooling:	Da	ıte:			Run	Start		
	QC:		Date:	SPC (Y/N):	Da	ıte:				Stop		
Sequence ID/ Work Center ID		peration escription		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accep Qty	t Rej		Reject Number	Insp. Stamp
Draw Nbr	Revisi	on Nbr										
D3417	Rev E											
Doosan Lathe		OOSAN LATHE Memo 1-Turn as pe	r Folio FA594 Rev: 🔎	0.00 0.00 & Dwg D3417 Rev:				30	· —(1		
QC Quality Control	Q	C2- Inspect parts off m	achine FAI/FAIB	0.00				30	<u>)</u> _{	£		
120 	Q	C8- Inspect parts - seco	and check	0.00 ml	11/03/02			3 <i>c</i>	<u> </u>	8		

Quality Control

Dart Aerospace	e Ltd
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									1				
W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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- rac													
							_						
Part No: PAR #: _													
Resolution:								Date: _					
NCR:		`	WORK ORDER NON-CONFORMANCE (NCR)										
DATE	STEP	Description of NC		Corrective Action Section			cation		Approval				
	JILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign a		ion C	Chief Eng	QC Inspector				
1	1	1	1		1	ı		1	1				

Work Order ID 66847

Monday, February 28, 2011 1:30:44 PM



Page 2

Item ID:

D3417-3

Accept



Setup Start

Stop



Revision ID:

Item Name:

Washer

Start Date: 2/28/2011 Required Date: 3/4/2011

Start Qty: 30.00

Operation

Description

Req'd Qty: 30.00



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan: Date:

Tooling:

Date:

Run

Start

Stop



Date: _____

SPC (Y/N):

Set Up/

Date:

Tool # Plan

Code

Qty

Accept

Reject Qty

Reject Insp.

Number

Work Center ID

Sequence ID/

130

Packaging Packaging

Memo

Memo

Identify as per dwg & Stock Location:

Run Hours

0.00

0.00

Stamp

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

11/03/14 mg

Dart Aerospace Ltd

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W/O:		- · · · · · · · · · · · · · · · · · · ·	WC	ORK ORDER CHANG	GES									
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approvai Chief Eng / Prod Mgr	Approval QC Inspector				
					;									
		PAR #:	Fault Category: N			NCR: Yes No DQA: Date: _								
Resolution:			Dispositio	n:	QA: I	VC Clo	sed:		Date: _					
NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
DATE	STEP	Description of NC			ction B		Verifi	cation	Approvai	Approval				
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC Inspector				
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Picklist Print

Monday, February 28, 2011 1:30:52 PM

Work Order ID: 66847

Parent Item:

D3417-3

Parent Item Name:

Washer



Start Date: 2/28/2011

Required Date: 3/4/2011

Page 1

Start Qty: 30.00

Required Qty: 30.00

Comments:

IPP Rev:A□05.10.19□New issue□KJ/EC

IPP Rev:B□05.10.19□added haas op. EC

IPP Rev:C As per Rev D 08-07-09 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDELRINR1.2500		Purchased	No			100	f	26.1010	0.0296	0.934737		/ e /	/ <u> </u>

Location Loc Qty Loc Code MAT 26.101 114586 19.3 - 114733 6.801

-4.170	Johnoo	ma +							,
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A:	Date: _	
	Re	solution:	Disposition	:	NCR: Yes No DQA: Date: QA: N/C Closed: Date: NFORMANCE (NCR)				
Part No:		,	R)						
DATE	STED	Description of NC		Corrective Action Section		Verific	cation	Approval	Approvai
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date		ion C	Chief Eng	QC Inspector
			-			:			
						1		[
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DART AEROSPACE LTD	Work Order:	66847
Description: Washer	Part Number:	D3417-3
Inspection Dwg: D3417 Rev: D		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

		X First Arti	cle	Prot	otype
Drawing	Tolerance	Actual	Accept	Reject	Method
Dimension	rolerance	Dimension	Accept	Kejeci	Inspection

Drawing Tolerance		Actual	Accept	Reject	Method of	Comments
Dimension	Tolerance	Dimension	Accept	Reject	Inspection	, , , , , , , , , , , , , , , , , , ,
Ø1.125	+0.030/-0.000	\$ 1.140			Vern	e Ma
Ø0.641	+0.008/-0.001	0.641				,
R1.87	+/-0.030	N687				
0.260	+/-0.010	260		,		
0.346	+/-0.010	260				
			2			·
		·				
			•			
				,		

	\				
Measured by:	75	Audited by:	and	Prototype Approval:	N/A
Date:	11/3/2	Date:	11/03/02	Date:	N/A

Rev	Date	Change		1	Revised by	Approved
Α	06.06.30	New Issue	-		KJ/JLM 1.A	
В	08.11.28	Dimensions updated per Dwg Rev	. D		KJ/EC	<i>Y</i>

	•								
W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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								Ti.	
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A :	_ Date: _	
Resolution:			Dispositio	_ QA: N/C CI	QA: N/C Closed: Date:				
NCR:		•	WORK ORD	ER NON-CONFORMA	ANCE (NCR	1)			
DATE	STEP	Description of NC	Corrective Action Section				cation	Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sect	ion C	Chief Eng	QC Inspector
									;
								I	

SHOP COPY **RETURN TO ENGINEERING UNCONTROLLED COPY**

SUBJECT TO AMENDMENT² WITHOUT NOTICE

D3417-1 WASHER

D

D3417-3 WASHER

D3417-5 WASHER

D3417-7 WASHER

D

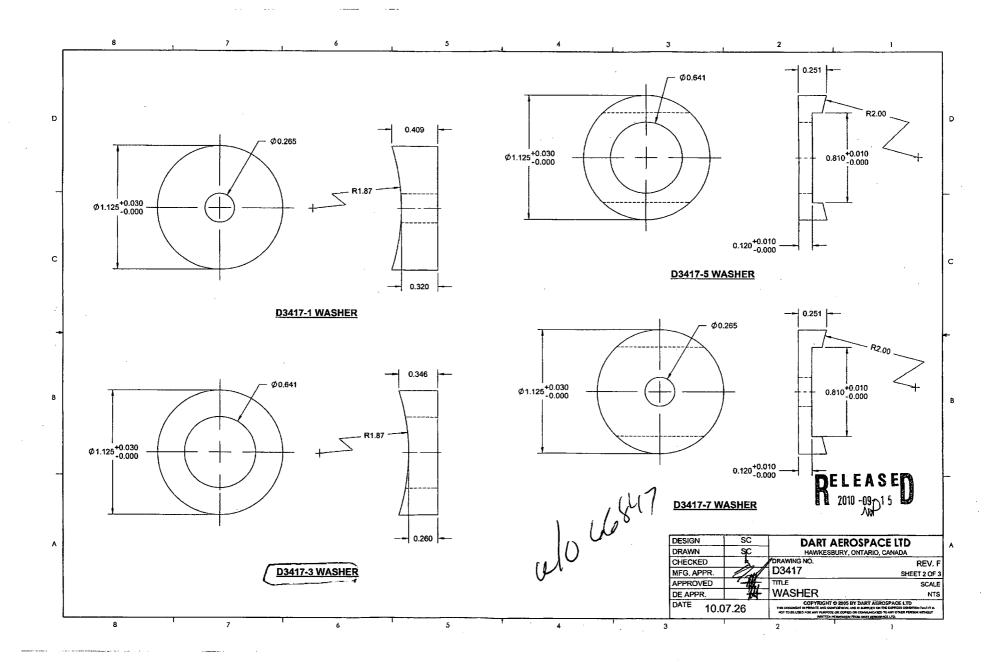
С

NOTES:
1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL, ROD REF DART SPEC M-DELRIN-R
OR BLACK DELRIN II 150E OR ACETRON GP ACETAL, BAR REF DART SPEC M-DELRIN-B
OR BLACK DELRIN II 150E OR ACETRON GP ACETAL, SHEET REF DART SPEC M-DELRIN-S
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: D3417-1. 0.020 lbs
D3417-5, 0.010 lbs
D3417-7, 0.010 lbs
D3417-7, 0.004 lbs

D3417-9 WASHER

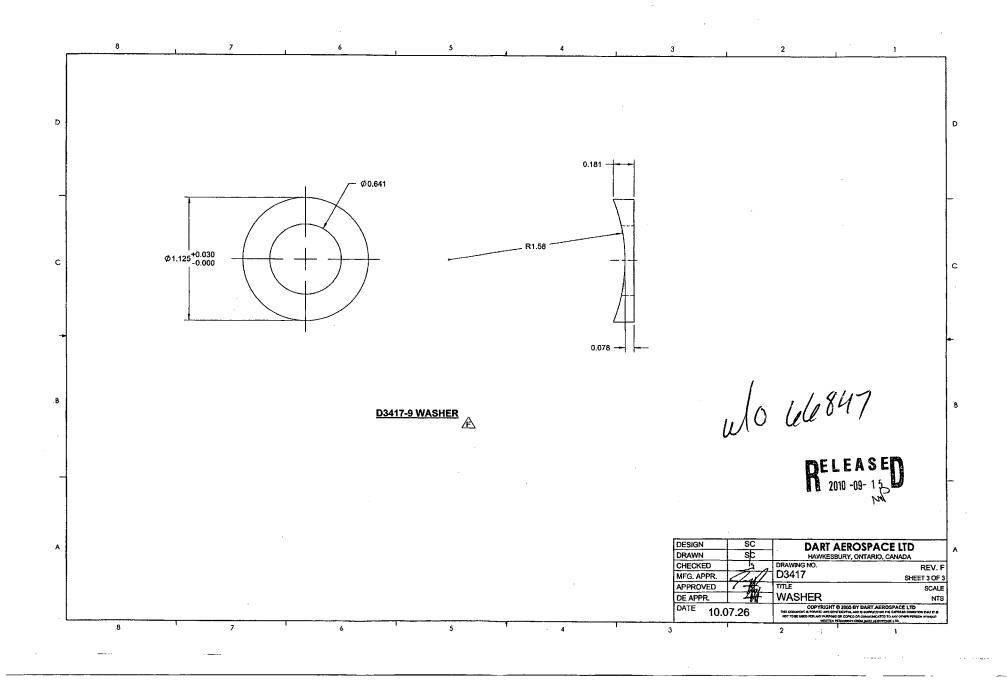
F	ADD D3	417-9 (ZN B5-	3)	sc	10.07.26		
E	ADD D3	417-7 (ZN A2-	2)	RF	09.06.30		
D	ADD -5 & UPDA REASO	WASHER (ZN ITE TO CURRE N: INSTALLAT	B2-1, B2-2); REFORMAT TO "B" SIZE INT STANDARDS; ION OF NEW TOW RING	AJS	08.07.08		
С	REMOV	E CBORE, WI	DEN	PH	05.06.30		
В	CHANG	E TO ROUND	WASHER	PH	05.06.10		
A	NEW IS	SUE		PH	05.03.31		
REV.			DESCRIPTION	BY	DATE		
DESIG		SC SC	DARI AEROSPACE LID				
	·	40	HAWKESBURY, ONTAR	IO, CANA	DA		
CHECK	ED		DRAWING NO.	RI			
MFG. A	MFG. APPR.		D3417	17 SHEET			
APPROVED -		-1111	TITLE		SCALE		
DE APPR.			WASHER		NTS		
DATE	10.0	7 26	COPYRIGHT @ 2005 BY DART	AEROSPACI	LTD 600-00100HTHAT/TES		

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		WC	ORK ORDER CHANG	GES					
STEP	PRO	OCEDURE CHA	NGE	Ву	,	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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:	PAR #:	Fault Cate	gory:	NCR: Y	es N	o DQ	A:	_ Date: _	
Resolution:			Disposition: Q			sed:	Date:		
	,	WORK ORDI	ER NON-CONFORM	IANCE (N	ICR)				-
CTED	Description of NC						Approvai	Approval	
Sier Section A		Initial Chief Eng	Action Description Chief Eng			Section C		Chief Eng	QC Inspector
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		:PAR #: Resolution: Description of NC	STEP PROCEDURE CHARGE PAR #: Fault Cate Resolution: Disposition WORK ORD STEP Description of NC Section A Initial	STEP PROCEDURE CHANGE PAR #: Fault Category: Resolution: Disposition: WORK ORDER NON-CONFORM STEP Description of NC Section A Corrective Action Section A Corrective Action Description	PAR #: Fault Category: NCR: Y Resolution: Disposition: QA: N/0 WORK ORDER NON-CONFORMANCE (NOTED TO Section A Section B Initial Action Description Si	STEP PROCEDURE CHANGE By PAR #: Fault Category: NCR: Yes N Resolution: Disposition: QA: N/C Clos WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	STEP PROCEDURE CHANGE By Date :PAR #:Fault Category:NCR: Yes No DQ. Resolution:Disposition:QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	STEP PROCEDURE CHANGE By Date Qty :PAR #:Fault Category:NCR: Yes No DQA: Resolution:Disposition:QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr : PAR #: Fault Category: NCR: Yes No DQA: Date: Resolution: Disposition: QA: N/C Closed: Date: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC



Dart Aerospace Lt	a
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W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No:		PAR #:	Fault Cated	gory:	NCR: Yes	NCR: Yes No DQA: Date:							
Resolution:			Disposition	Disposition: Q			QA: N/C Closed:						
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NC	R)							
DATE	STEP	Description of NC	<u> </u>		Section B Verific			ation Approval	Approval				
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sigr Dat	Sec	tion C	Chief Eng	QC Inspector				



W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRC	CEDURE CHA	NGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:		PAR #:	Fault Cate	gory:	NCR:	Yes N	lo DQ	A:	Date: _	
	R	esolution:	Dispositio	n:	QA: N/C Closed:				Date:	
NCR:		1	WORK ORD	ER NON-CONFORM	ANCE (I	NCR)				
DATE	0750	Description of NC		ction B		Verification		Approval	Approval	
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section C		Chief Eng	QC Inspector
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